

What is claimed is:

1. A motorized vehicle comprising:

a vehicle body;

5 a left driving wheel and a right driving wheel that are rotatably mounted on the vehicle body;

a left electric motor and a right electric motor that are mounted on the vehicle body for independently rotating the left and right driving wheels, respectively, at variable

10 speeds; and

an actuator for causing one of the left and right electric motors to rotate in one direction and, at the same time, causing the other of the left and right electric motors to rotate in the opposite direction, thereby ensuring
15 that the vehicle making a turn while staying at the same position.

2. The motorized vehicle according to claim 1, further including a pair of left and right handlebars extending from
20 the vehicle body in a rearward direction of the motorized vehicle, each of the handlebars having a handgrip adapted to be gripped by the operator, wherein the actuator comprises a left brake and a right brake that are mounted on the vehicle
body for independently applying brake forces to the left
25 and right driving wheels, respectively, and a pair of left and right turn control levers pivotally mounted to the left and right handlebars, respectively, so as to extend along

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not
an actuator

the corresponding handgrips, the left and right turn control levers being operatively connected to both the left and right brakes and the left and right electric motors, respectively, such that the left and right electric motors are
5 caused to rotate simultaneously in opposite directions based on the angular positions of the left and right turn control levers.

3. The motorized vehicle according to claim 2, wherein the
10 left and right brakes are associated with the left and right electric motors, respectively, and separately apply the brake forces to the left and right driving wheels via the left and right electric motors.

15 4. The motorized vehicle according to claim 2, wherein the left and right turn control levers are angularly movable between an initial zero-brake position and a stroke end position opposite to the zero-brake position across a full-brake position, the left and right turn control levers being
20 operatively linked with the left and right brakes and the left and right electric motors such that when the left turn control lever moves within a first range defined between the zero-brake position and the full-brake position, the brake force applied from the left brake varies linearly with the
25 amount of displacement of the left turn control lever, when the left turn control lever moves within a second range defined between the full-brake position and the stroke end

position, the left electric motor is rotated in the reverse direction, and the right electric motor is rotated in the forward direction, when the right turn control lever moves within the first range, the brake force applied from the
5 right brake varies linearly with the amount of displacement of the right turn control lever, and when the right turn control lever moves within the second range, the right electric motor is rotated in the reverse direction, and the left electric motor is rotated in the forward direction.

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5. The motorized vehicle according to claim 1, wherein the actuator comprises a left spot turn switch operatively connected to the left and right electric motors and manually operable to cause the left electric motor to rotate in the
15 reverse direction and the right electric motor to rotate in the forward direction, and a right spot turn switch operatively connected to the left and right electric motors and manually operable to cause the right electric motor to rotate in the reverse direction and the left electric motor
20 to rotate in the forward direction.

6. The motorized vehicle according to claim 5, further including an operator control panel mounted to the vehicle body, the left and right spot turn switches being provided
25 on the operator control panel.

7. The motorized vehicle according to claim 1, further

including a pair of left and right crawler belts driven by the left and right driving wheels.

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